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- 1. Cognitive radio: brain-empowered wireless communications**  
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- 2. A simple transmit diversity technique for wireless communications**  
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- 3. Capacity limits of MIMO channels**  
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- 4. Network planning in wireless ad hoc networks: a cross-Layer approach**  
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- 5. Network coding for wireless communication networks**  
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- 7. Scheduling in IEEE 802.16e mobile WiMAX networks: key issues and a survey**  
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- 8. Optimized constellations for two-way wireless relaying with physical network coding**  
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- 9. From theory to practice: an overview of MIMO space-time coded wireless systems**  
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